



IMPORTANT NOTICE

- ALL DEMYSTIFYING MEDICINE SESSIONS CAN BE VIEWED LIVE FROM ANYWHERE ON EARTH ATVIDEOCAST.NIH.GOV
- 1-2 WKS LATER, ALL SESSIONS ARE ON [U-TUBE](https://www.youtube.com) AVAILABLE WORLDWIDE

INFLAMMATION

Latin: inflammatio: “to set on fire”

1st C physician Celsus: Calor/HEAT

Rubor/ REDNESS

Tumor/ SWELLING

Dolor/ PAIN

...resulting in LOSS OF FUNCTION

21st Century

- Role of inflammation in other disease processes:
- Cardiovascular diseases (CAD, etc) (Jan 24)
- Allergies (Jan 31)
- Immunosuppressive diseases (HIV, etc) (Feb 28)
- Cancer (Feb 21)
- Fibrosis (March 21)
- Autoimmune diseases (RA, etc)
- Neurodegenerative diseases (Alzheimer, etc) (April 11)
- Obesity
- WHAT'S NEXT???

Glyco-mics

- The Genome did not answer everything!
- Epigenetics....post translational modifications greatly expand scope of function

Glycoprotein and glycolipid biology are critical in diverse functions, regulation and disease....both inheritable and acquired.

20th C IMMUNITY

- Elie Metchnikoff....discovers Innate Immune System from studies of “splinter in a starfish”
1882
*(Vikhanski L: “Immunity” How Metchnikoff changed the course of modern medicine
2016 Chicago Review Press)*
- Adaptive Immune System...20th C explosion...discovery of antigen-mediated cell response, T and B cells, etc....